



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Xuzhi Qin                      Examiner: Philip C. Tucker  
Serial No. 10/038,350                      Group Art Unit: 1712  
Filed: November 20, 2001                      Docket No. 589.117US1  
Title: PHOTOCHROMIC NAPHTHOPYRAN COMPOUNDS  
COMPOSITIONS AND ARTICLES CONTAINING THOSE  
NAPHTHOPYRAN COMPOUNDS


**MAIL STOP ISSUE FEE**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

- ☒ Form PTOL-85B (1pg), plus one copy
- ☒ Communication Re: Issue Fee Transmittal, with Authorization for Fee
- ☒ Copy of Notice of Allowance and Issue Fee Due, Notice of Allowability, Reasons for Allowance, Notice of References Cited, and Determination of Patent Term Adjustment
- ☒ Transmittal Sheet
- ☒ Return postcard

**Please consider this a PETITION FOR EXTENSION OF TIME for sufficient number of months to enter these papers if an additional extension of time is deemed necessary by the Office. Authorization is hereby given to charge Deposit Account Number 50-1391 if such additional extension is necessary.**

**MARK A. LITMAN & ASSOCIATES, P.A.**  
York Business Center, Suite 205, 3209 W. 76<sup>th</sup> St.  
Edina, MN 55435 (952-832-9090)

By:   
Atty: Mark A. Litman  
Reg. No. 26,390

CERTIFICATE UNDER 37 C.F.R. 1.8: The undersigned hereby certifies that this Transmittal Letter and the paper, as described herein, are being deposited in the United States Postal Service, as first class mail, with sufficient postage, in an envelope addressed to: Mail Stop Issue Fee, Commissioner for Patents, PO Box 1450, Alexandria, VA 22313-1450 on 18 August, 2005.

Mark A. Litman  
Name

  
Signature



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Applicant: Xuzhi Qin Examiner: Philip C. Tucker  
Serial No. 10/038,350 Group Art Unit: 1712  
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COMPOSITIONS AND ARTICLES CONTAINING THOSE  
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**COMMUNICATION RE: ISSUE FEE TRANSMITTAL**

**MAIL STOP ISSUE FEE**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

In response to the "Notice of Allowance and Issue Fee Due", dated August 12, 2005,  
(see enclosed copy), we submit the signed Issue Fee Transmittal along with authorization to  
withdraw \$1400.00 from Deposit Account No. 50-1391 for the issue fee and \$300.00 for the  
publication fee.

Applicant assumes the application is now in proper order and in condition for issuance.

Please direct any inquiries to the undersigned attorney at (952) 832-9090.

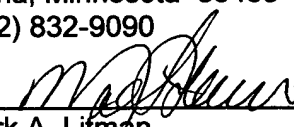
Respectfully submitted,

XUZHI QIN

By His Representatives,


MARK A. LITMAN & ASSOCIATES, P.A.  
York Business Center, Suite 205  
3209 West 76<sup>th</sup> Street  
Edina, Minnesota 55435  
(952) 832-9090

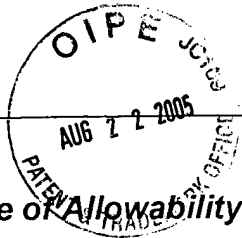
Date: 18 August, 2005

By:   
Mark A. Litman  
Reg. No. 26,390

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Alexandria, VA 22313-1450 on 18 August, 2005.

Mark A. Litman  
Name

  
Signature



# Notice of Allowability

Application No.

10/038,350

Examiner

Philip C. Tucker

Applicant(s)

QIN, XUZHI

Art Unit

1712

## -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment of 6/27/05.
2. ☒ The allowed claim(s) is/are 1-4, 9-11 and 13-19.
3. ☐ The drawings filed on \_\_\_\_\_ are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All b) ☐ Some\* c) ☐ None of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
  - \* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

### Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date \_\_\_\_\_
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

Philip C Tucker  
Primary Examiner  
Art Unit: 1712

### REASONS FOR ALLOWANCE

1. The following is an examiner's statement of reasons for allowance: Applicants amendment has overcome the rejection under 35 USC 112. The prior art fails to teach or suggest the present photochromic compound having the dihydrofuran ring as atught for ring F. The photochromic compound is distinguished from WO 01/60811 and US 6,146,554 cited as X references, and utilized on the first action on the merits in the present application, for such reason above in view of applicant limiting the ring F to dihydrofuran.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."


Any inquiry concerning this communication or earlier communications from the examiner should be directed to Philip C. Tucker whose telephone number is 571-272-1095. The examiner can normally be reached on Monday - Friday, Flexible schedule.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Randy Gulakowski can be reached on 571-272-1302. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Art Unit: 1712

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Philip C Tucker  
Primary Examiner  
Art Unit 1712

PCT-3812

**Notice of References Cited**



Application/Control No. 10/038,350	Applicant(s)/Patent Under Reexamination QIN, XUZH	
	Examiner Philip C. Tucker	Art Unit 1712
Page 1 of 1		

**U.S. PATENT DOCUMENTS**

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
	A	US-6,858,732	02-2005	Qin et al.	546/41
	B	US-			
	C	US-			
	D	US-			
	E	US-			
	F	US-			
	G	US-			
	H	US-			
	I	US-			
	J	US-			
	K	US-			
	L	US-			
	M	US-			

**FOREIGN PATENT DOCUMENTS**

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
	N					
	O					
	P					
	Q					
	R					
	S					
	T					

**NON-PATENT DOCUMENTS**

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	
	V	
	W	
	X	

\*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)  
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.